

*New Jersey Semi-Conductor Products, Inc.*

20 STERN AVE.  
 SPRINGFIELD, NEW JERSEY 07081  
 U.S.A.

TELEPHONE: (201) 376-292  
 (212) 227-600  
 FAX: (201) 376-896

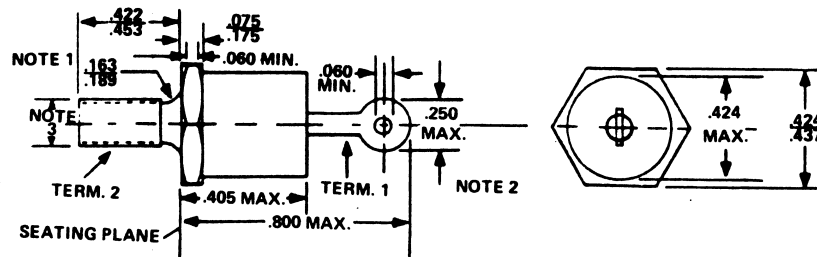
PARAMETERS

IN5816  
 FAST RECTIFIER, 10A  $\langle$  I(O)/I(F)  $\leq$  20A

Description: Fast Rectifier, 10A  $\langle$  I(O)/I(F)  $\leq$  20A

|                            |      |
|----------------------------|------|
| Manufacturer.....          |      |
| Mil/High-Rel? (Y/N).....   |      |
| I(out) (If AVG) Max.....   | 20   |
| VRRM.....                  | 150  |
| t(rr) (s).....             | 35n  |
| @If (test).....            | 500m |
| @Ir (A).....               | 1.0  |
| Vf Max.....                | 900m |
| @If (test).....            | 10   |
| Ir @25xC.....              | 10u  |
| @Volts (test) (V).....     | 150  |
| Ir @ Diff. Temp (A).....   | 750u |
| @Temp (test) (xC).....     | 100  |
| Mat.....                   |      |
| Oper. Temp (xC) Max.....   | 175u |
| Pkg Style.....             | DO-4 |
| Surface Mounted (Y/N)..... | N    |

$\theta_{j-c}$  Junction Temperature  $\leq$   $I_t(\text{rms})$



NOTES:

1. COMPLETE THREADS TO EXTEND TO WITHIN 2-1/2 THREADS OF SEATING PLANE.
2. ANGULAR ORIENTATION OF THIS TERMINAL IS UNDEFINED.
3. 10-32 UNF-2A MAXIMUM PITCH DIAMETER OF PLATED THREADS SHALL BE BASIC PITCH DIAMETER (.1887", 4.29 MM) REF. (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK H28 P1.